



SEQUENCE LISTING



<110> Engelhardt, John F.
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<120> Adeno-associated virus vectors

<130> 875.007US2

<140> US10/054,665

<141> 2002-01-22

<150> US 60/086,166

<151> 1998-05-20

<150> US 09/276,625

<151> 1999-03-25

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 20

<212> DNA

<213> Adeno-associated virus

<400> 1

cgggggtcgt tgggcggtca

20

<210> 2

<211> 19

<212> DNA

<213> Adeno-associated virus

<400> 2

gggcggagcc tatggaaaa

19

<210> 3

<211> 505

<212> DNA

<213> Artificial Sequence

<220>

<223> A synthetic consensus sequence

<400> 3

cgggggtcgt	tgggcggtca	gccaggcggg	ccatttaccg	taagttatgt	aacgactgca	60
ggcatgcaag	ctcgaattca	tcggtagata	agtagcatgg	cgggttaatc	attaactaca	120
aggaaccct	agtgatggag	ttggccactc	cctctctgcg	cgctcgctcg	ctcgctgagg	180
ccgggcgacc	aaaggtcgcc	cgacgcccgg	gctttgcccc	ggcggcctca	gtgagcgagc	240
gagcgcgcag	ctgcgcgctc	gctcgctcac	tgaggccgcc	cgggcaaagc	ccgggcgctc	300
ggcgaccttt	ggtcgcccgg	cctcagcgag	cgagcgagcg	cgcagagagg	gagtggccaa	360
ctccatcact	aggggttcct	tgtagttaat	gattaaccgc	ccatgctact	tatctacagc	420
ttgcatgcat	gtgagcaaaa	ggccagcaaa	aggccaggaa	ccgtaaaaag	gccgcgttgc	480
tggcggtttt	ccataggtc	cgccc				505

<210> 4
 <211> 272
 <212> DNA
 <213> AAV circular intermediate, clone p81

<400> 4
 gcatgcaagc tgtagataag tagcatggcg ggttaatcat taactacaag gaacccttag 60
 tgatggagtt ggccactccc tctctgcgcg ctgctcgcct cactgaggcc gggcggccaa 120
 aggtcgcccg acgcccgggc tttgcccggg cggcctcagt gagcgagcga gcgcgcagag 180
 agggagtggc caactccatc actaggggtt ccttgtagtt aatgattaac ccgccatgct 240
 acttatctac cgatgaattc gagcttgcac gc 272

<210> 5
 <211> 300
 <212> DNA
 <213> AAV circular intermediate, clone p79

<400> 5
 gcatgcaagc tgtagataag tagcatggcg ggttaatcat taactacaag gaacccttag 60
 tgatggagtt ggccactccc tctctgcgcg ctgctcgcct cactgaggcc gggcgcgcgc 120
 tcgctcgcct actgaggccg ggcgaccaa ggtcgcccga gcccgggctt tgcccgggcg 180
 gcctcagtga gcgagcgcgc gcgcagagag ggagtggcca actccatcac taggggttcc 240
 ttgtagttaa tgattaaccc gccatgctac ttatctaccg atgaattcga gcttgcacgc 300

<210> 6
 <211> 272
 <212> DNA
 <213> AAV circular intermediate, clone p1202

<400> 6
 gcatgcaagc tgtagataag tagcatggcg ggttaatcat taactacaag gaacccttag 60
 tgatggagtt ggccactccc tctctgcgcg ctgctcgcct cactgaggcc gggcgaccaa 120
 aggtcgcccg acgcccgggc tttggtcgcc cggcctcagt gagcgagcga gcgcgcagag 180
 agggagtggc caactccatc actaggggtt ccttgtagtt aatgattaac ccgccatgct 240
 acttatctac cgatgaattc gagcttgcac gc 272

<210> 7
 <211> 165
 <212> DNA
 <213> Unknown

<220>
 <223> SEQ ID NO:1 of U.S. Patent No. 5,478,745

<400> 7
 aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgcctc ctcactgagg 60
 ccgggcgacc aaaggctcgc cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc 120
 gagcgcgcag agagggagtg gccaactcca tcactagggg ttctt 165

<210> 8
 <211> 282
 <212> DNA
 <213> rAAV circular intermediate, clone p79

<400> 8
 ggcgggccat ttaccgtaag ttatgtggcg actgcaggca tgcaagctcg aattcatcgg 60
 tagataagta gcatggcggg ttaatcattg cctacaaaga gccctagtgt atggagtggg 120
 ccaactccctc tcttcgccga gcgcgcagag agggagtggc caactccctc actaggggtt 180
 cctggcagtt aatgattaac ccgccatgct acttatctac agcttgcacg catgtgagca 240
 aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tg 282

<210> 9
 <211> 345
 <212> DNA
 <213> rAAV circular intermediate, clone p80

<400> 9
 ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
 taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120
 tccctctctg cgcgctcgct cgctcgctca ggccgggcca ccaaaggctc cccgacgccc 180
 gcccggcctc agcgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg 240
 gttccttgta gttaatgatt aaccgcgcat gctacttatt tacagcttgc atgcatgtga 300
 gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttg 345

<210> 10
 <211> 276
 <212> DNA
 <213> rAAV circular intermediate, clone p81

<400> 10
 ggccattttac cgtaagttat gtggcgactg caggcatgca agctcgaatt catcggtaga 60
 taagtagcat ggcgggttaa tcattgccta caaagagccc ctagtgatgg agcccggcct 120
 caccgagcga gcgagcgcg cagaggggag tggccaactc catcactagg ggttccttgt 180
 agttaatgat taaccgcga tgctacttat ctacagcttg catgcatgtg agcaaaaggc 240
 cagcaaaagg ccaggaaccg taaaaaggcc gcgttg 276

<210> 11
 <211> 316
 <212> DNA
 <213> rAAV circular intermediate, clone p86

<400> 11
 ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
 taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120
 tccctctctg cgcgctcgct cgctcgctga ggccgccccg gcctcagcga gcgagcgagc 180
 gcgcagagag ggactggcca actccatcac taggggttcc ttgtagttaa tgattaaccc 240
 gccatgctac ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga 300
 accgtaaaaa ggccgc 316

<210> 12
 <211> 208
 <212> DNA
 <213> rAAV circular intermediate, clone p87

<400> 12
 ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
 taagtagcat ggcgggttac tcattgccta caaagagccc ctagtgatgg aattggaatg 120
 attcaccctc catgctactt atctacagct tgcattgcat tgagcaaaaag gccagcaaaa 180
 ggccaggaac cgtaaaaagg ccgcgttg 208

<210> 13
 <211> 310
 <212> DNA
 <213> rAAV circular intermediate, clone p88

<400> 13
 gccattttacc gtaagttatg taacgactgc aggcattgcaa gctcgaattc atcggtagat 60
 aagtagcatg gcgggttaat cattgcctac aaagagcccc tagtgatgga gttggccact 120
 ccctctctgc gcgctcgctc gctgggcccgc gcctcagcga gcgagcgagc gcgcagagag 180
 ggagtggcca actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac 240
 ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa 300
 ggccgcgttg 310

<210> '14
 <211> 334
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic portion of the consensus sequence

<400> 14
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 gccactccct ctctgcgcgc tcgctcgctc gctgaggccg ggcgaccaa ggtcgcccga 120
 cgcccgggct ttgcccgggc ggcctcagtg agcgagcgag cgcgcagctg cgcgctcgct 180
 cgctcactga ggccgcccgg gcaaagcccg ggcgtcgggc gacctttggt cgcccggcct 240
 cagcgagcga gcgagcgcg agagagggag tggccaactc catcactagg gggttccttg 300
 agttaatgat taaccgcca tgctacttat ctac 334